INTERNATIONAL SEARCH REPORT

International application No.

	PCT/JP2004/016596
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G05B19/418	
According to International Patent Classification (IPC) or to both national classification and	IPC
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols Int.Cl ⁷ G05B19/418, G06F17/60, B23Q41/08	s)
Documentation searched other than minimum documentation to the extent that such documentation that the extent that such documentation that extent that such documentation that the extent that such documentation that extent	Shinan Koho 1994-2005 Toroku Koho 1996-2005
Electronic data base consulted during the international search (name of data base and, where C. DOCUMENTS CONSIDERED TO BE RELEVANT	e practicable, search terms used)
Category* Citation of document, with indication, where appropriate, of the rele	evant passages Relevant to claim No.
<pre>X JP 10-55393 A (Kobe Steel, Ltd.), 24 February, 1998 (24.02.98), Fig. 3 (Family: none)</pre>	1-7
	amily annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "C" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the	published after the international filing date or priority conflict with the application but cited to understand a theory underlying the invention articular relevance; the claimed invention cannot be vel or cannot be considered to involve an inventive document is taken alone articular relevance; the claimed invention cannot be involve an inventive step when the document is one or more other such documents, such combination to a person skilled in the art there of the same patent family
07 January, 2005 (07.01.05) 25 January	the international search report ary, 2005 (25.01.05)
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